

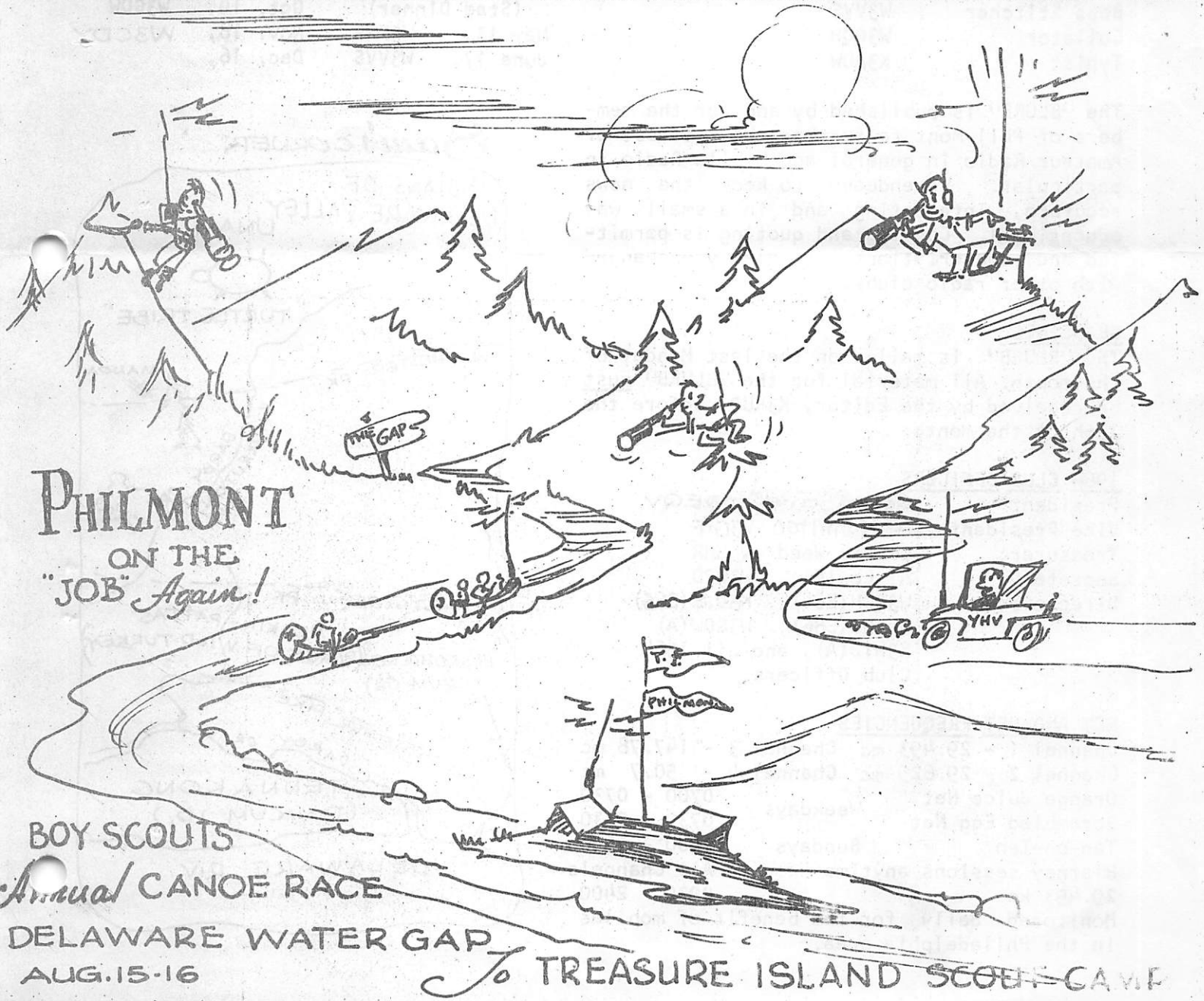


15<sup>TH</sup> Anniversary YEAR

# THE BLURB

AREA MEMBER

PHILMONT MOBILE RADIO CLUB INC.



EDITOR

R. G. Schmilewske, K3KUD  
528 Melody Lane  
Glenside, Pa. Telephone TU4-0190

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Typist K3AUW

The "BLURB" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general and Mobile Radio in particular. We endeavor to keep the news accurate, interesting and in a small way educational. Copying and quoting is permitted and subscriptions are gladly exchanged with other radio clubs.

DEADLINES

The "BLURB" is mailed on the last Monday of the month. All material for the "BLURB" must be received by the Editor, K3KUD, before the 15th of the month.

1964 CLUB OFFICERS

President: ~~Ed. 100-100-100~~ EQV  
Vice President: Al Hamilton W3GIF  
Treasurer: George Weed W3MHR  
Secretary: Al Lewis W3WPD  
Directors: W3QQH (E64), K3DJE (E65)  
W3YHV (E66), W3GOW (A)  
K3HIJ (A), and all 1964  
Club Officers.

NET AND NET FREQUENCIES

Channel 1 - 29.493 mc Channel 3 - 147.78 mc  
Channel 2 - 29.629 mc Channel 4 - 50.7 mc  
Orange Juice Net Weekdays 0700 - 0730  
Scrambled-Egg Net 0730 - 0830  
Ten-on-Ten Sundays 1000 - 1100  
Blarney sessions anytime All Channels  
29.493 kc 0930 - 2400  
Monitored daily for the benefit of mobiles  
in the Philadelphia area.

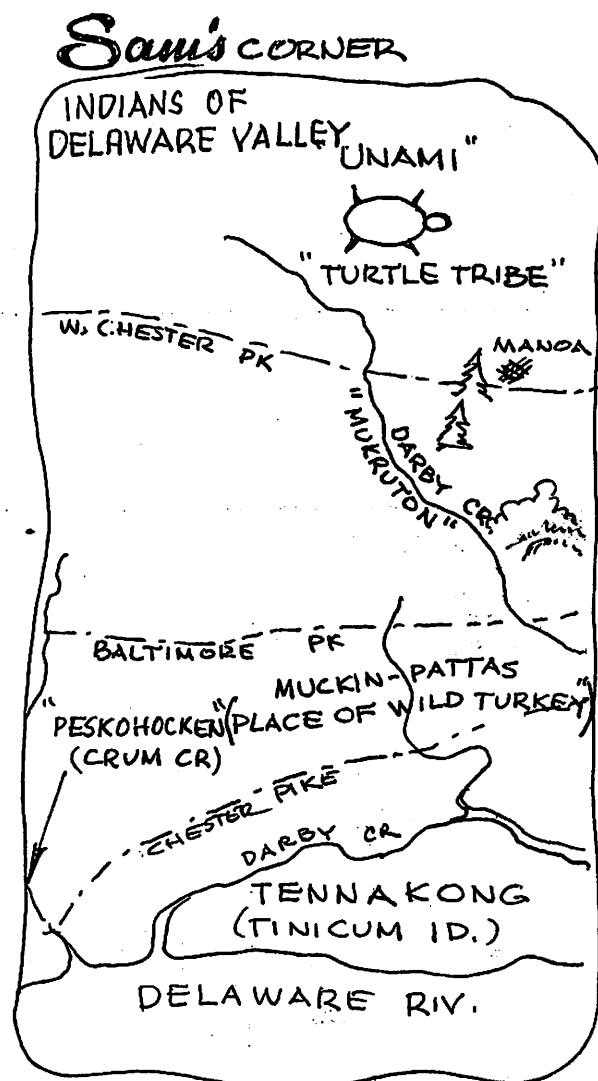
P M R C C A L E N D A R

MEETINGS

Regular Meetings: First Monday of  
each month  
Time: 2000 hours (8:00 p.m.)  
Place: THE FRANKLIN INSTITUTE  
20 & Benjamin Franklin Parkway

MID-MONTH SCHEDULE

Feb. 12, W3QQH	July 15, W3NIP
March 18, K3OEJ	Aug. 12, K3OEJ
April 15, W3WNC (Stag Dinner)	Sept. 16, K3CEE
May 13, W3MHR	Oct. 14, W3GOW
June 17, W3VVS	Nov. 18, W3CDY
	Dec. 16,



## PREZ SEZ

As predicted last month, "Gumbaudi", that nameless mobileer who so aptly depicts us all, again led Phil-Mont to a top bracket Field Day performance. Plenty of food, message relays, contacts, operators and "eyeball" QSOs. Our "sexy" new plush and efficient mobile van was dedicated and in keeping with Phil-Mont tradition made 29.493 the hottest ten meter frequency in Eastern Pennsylvania. For the club, I wish to thank all you "Gumbauidis" who made the event a whumping success.

This month I would like to point out several ways in which some "Gumbauidis" are getting gypped. They pay six dollars in dues and only get \$5.98 back.

Illustration #1: During a recent conversation I learned that a fellow Philmonter was having difficulty getting his new sidebander kit to sideband-erate-knowing that two other "Gumbauidis" had just put this job together, I suggested that he fire-up on Channel 1 and contact these fellows.

Moral: To get twenty dollars or more back from your membership investment, keep active on the frequency. Use the competent technical ability of Phil-Mont, the best in the country. Remember, these fellows are interested in "ham stuff". They have the same hobby as you, mobile amateur radio.

Illustration #2: We have meetings once a month and present at least one, sometimes two, excellent speakers on ham oriented topics. Any of these lectures are worth at least a dollar at any ham convention. Do you miss meetings? are you throwing away twelve dollars a year or more?

Moral: Be frugal - attend club meetings and events - get all you can from your membership.

To get more back from your six dollars, you have to "put your two cents in". That six dollars entitles each member to "put his two cents in" 300 times. Any Philmonter who practices this will tell you that he gets at least 50 dollars worth of pleasure in return.

Think it over, DON'T BE GYPPE!

Incidentally a perfect opportunity exists right now to get your 12 plus 20 plus 50 dollars back this year. The BLURB needs a Channel Chatter editor. If any "Gumbaudi" feels like he has been getting gypped, try it for a month-see if you don't get at least \$6.50 back. Send Channel Chatter to the editor before August 15.

See you for your dollar's worth at the next meeting.

de W3EQV.

\* \* \* \* \*

The above was forwarded from Santa Monica, California, by The Prez and it arrived just in time for publication. We thank Ed for his effort and the plug. (ED)

\* \* \* \* \*

## NEWS AND ACTIVITIES

### Phil-Mont Calender for August:

Monday, August 3	8:00 PM	Regular meeting, Franklin Institute.
Wednesday, August 12	8:00 PM	Mid-month meeting at K30EJ.
Saturday, August 15 )		Boy Scouts Annual Canoe Race.
Sunday, August 16 )		
Monday, August 31	8:00 PM	BLURB folding at W3LEM

\* \* \* \* \*

The regular meeting for July was held at the Franklin Institute on July 6 with 50 people present including 5 visitors. Our Prez, Ed Moore, W3EQV, was back on the job sporting a shiny call-letter bow tie.

The featured speaker was Tony Chismadia, W3RKF. Tony, who most of us remember for his feats on the football field in the early 1940's, is now an electrical engineer employed in the Engineering and Research Division of the Philadelphia Electric Company. Tony spoke on the problems encountered by the utilities in attempting to reduce or eliminate RF interferences caused by their equipment and transmission lines.

The scheduled talk by Harold Hogan, W3ZN, about the "Eyeball Network" was cancelled due to the length of the program but will be rescheduled.

Refreshments, dispensed by Al, W3GIF; Murray, K3SPS and Bill, K3HIE, completed the evening's activities.

\* \* \* \* \*

Phil-Mont will take part in the ARRL (Hudson Division) Convention in New York in August. The club has been assigned a 2 hour period, 10:00-12:00 AM, on Sunday. The program will consist of four talks, each followed by question and answer periods. Subjects to be discussed are: "Phil-Mont's Communications Trailer"; "Mobile FM"; "Growing Pains (Club organization)"; and "The BLURB".

More information will be available from Jim Spencer, W3QQH, at mid-month meeting.

\* \* \* \* \*

The long awaited Amateur Radio Operators commemorative stamp will be issued in November of this year. In making the official announcement Postmaster General John A. Gronouski stated, "The important work done by radio 'hams' ranges from civil defense to aid in disasters and includes routine favors for countless thousands of Americans. Many a soldier overseas has been able to talk with his family back home because two hams provided a hook-up. When telephonic communications were disrupted during the recent earthquake in Alaska, it was the hams who made contact with worried friends and relatives."

The stamp, honoring 250,000 "hams", is being issued this year to coincide with the 50th Anniversary of the ARRL.

\* \* \* \* \*

New Phil-Mont Directories were mailed with last month's BLURB. While our quality control is excellent, we are human; therefore, anyone who did not receive a copy should contact Jim Spencer, W3QQH.

## NEWS AND ACTIVITIES (continued)

Anyone who is interested in club QSL cards should contact George Weed, W3MHR. The cards are available in color or black and white with individual calls imprinted.

\* \* \* \* \*

Ed Moore, W3EQV, reports that while at the World's Fair, he saw a most unusual sight - a Japanese boy with an American transistor radio !

\* \* \* \* \*

Jim Spencer, W3QQH, requests that anyone in the club who has knowledge of, or contact with, professional banquet type entertainment, contact him.

\* \* \* \* \*

July mid-month meeting was held at the home of Chuck Snyder, W3NIP. Although the evening was warm and attendance sparse, business was conducted as usual, aided materially by the "before meeting" dip in Chuck's pool and the air-conditioned environment to which we retired thereafter.

A mid-year financial report was reviewed and discussed as were plans for the Phil-Mont portion of ARRL Convention (Hudson Division).

The meeting was adjourned early enough to permit everyone to get home in time to witness the nomination of fellow ham, Barry Goldwater.

\* \* \* \* \*

Welcome to Phil Krieger, K3JKT, who has been elected to regular membership in Phil-Mont.

\* \* \* \* \*

Renewing your subscription to QST? Do it through the club and let us make a pittance with no additional cost to you. Give George Weed, W3MHR, the notification card and a check for \$5.00 and he will do the rest.

\* \* \* \* \*

The 1964 Delaware Hamfest will be held on August 16 (rain date August 23), at Wheelers Park, Harrington, Delaware. The cost is \$1.50 for a ham and his family if tickets are obtained in advance from Peter Robinson, K3OCI; 417 Wyoming Ave., Dover, Delaware. If tickets are purchased at the gate the cost is \$2.00.

\* \* \* \* \*

The Olde Editor received a letter from Ralph Garrick, W3FLP. ARPSC/EC. Ralph listed the Phil-Monters who are members of the Delaware County ARPSC (26) and also listed the following net information: 2 meters-Thursdays, 7:30 PM, 146.8 mc; 6 meters-Thursdays, 8:00 PM, 50.55 mc; 10 meters-(AM)-Thursdays, 8:30 PM, 28990 kc; 10 meters-(SSB)-Thursdays, 9:00 PM, 28825 kc; 40 meters -(CW)-Mondays, 8:30 PM, 7.149 mc.

Thanks also to Ralph for the compliments he paid to the BLURB and the editor.

\* \* \* \* \*

## SWAP AND SHOP

For sale: National HFS Receiver. 27mc-250mc coverage.  
With power supply. \$75.00

Contact Harry Baynard, K3SZJ  
231 Glentay Rd  
Lansdowne, Pa.  
41-234808

For sale: 1 set of Gonset Twins \$300.00

1 Gonset G-76 with AC power supply. \$350.00

Contact Harry Baynard, K3SZJ

For sale: Hallicrafters SX-100, Mark II. 16 meters up,  
like new. \$195.00

Contact Harry Baynard, K3SZJ  
41-234808

For sale: PH-548/AXT-2A television camera. Includes 3" image  
orthicon, power supply, lens system, eyefinder filter  
and technical manual. Converted to commercial stand-  
ards. Surplus price without power supply, lens or  
manual is \$400.00. Will sell for less or trade for  
good receiver, transmitter or transceiver.

Contact Roy Madnick, K3NZR

Wanted: Information on Gonset triband converter.

MD-7 surplus plate modulator.

Back issues of 73 magazine.

Contact Harry Baynard, K3SPS  
41-234808

For sale: Tickets for the Phil-Mont 15th Anniversary Dinner-Dance.  
The price is only \$15.00 per couple. Tickets \$10.00.

\*\*\*\*\*

# SWAP AND SHOP (continued)

For sale: Bud variable low-pass filter, new, model LF601A	\$10.00
International Crystal power supply, model PW-1	\$10.00
B&W low-pass filter #423 (6 meters), new	\$ 6.00
Monitoradio mobile FM receiver, 152-174 mc, perfect	\$65.00
Kenmore ironer, perfect condition	\$30.00
1950 Plymouth, good running condition.	\$50.00
Gonset 6 meter linear amplifier	\$90.00
Argus C-4 with leather carrying case	\$35.00
Johnson Messenger, 115VAC/12 VDC	\$85.00
Johnson Messenger, 115 VAC only	\$75.00
Gonset G-28, perfect	\$175.00
Hammarlund HK-18 automatic keyer, new	\$30.00
Heathkit Sixer, good condition	\$35.00
Elmac AF-67, perfect	\$95.00
Gonset Twins complete (G-66, G-77 with power supply and modulator)	\$235.00
Hammarlund SP-400 with power supply	\$125.00

All the above items and more besides are available from Jim Hartmann, W3JYA. Jim is moving to a new QTH and of course that means that the goodies must go.

Jim's present address is 1338 Virginia Ave.,  
Havertown, Pa.  
HI-6-2379 (home)  
HI-9-2300 (business)

\* \* \* \* \*

## TID-BIT

Britons who bought Japanese-made walkie-talkie radio sets "just for fun" got a shock from their government. They will have to get special licenses costing about \$8.00 to use the sets and where frequencies conflict with already licensed operators applicants will be turned down.

(From the Bulletin, July 14)

\* \* \* \* \*

## SWAP AND SHOP (continued)

For sale: Viking "Ten-Meter" Messenger in new condition.  
Completely aligned for peak operation from  
29,300 kc to 29,640 kc. Accessories include:  
TEN crystals, mobile mounting brackets, service  
manual, cords for 120 VAC and 12 VDC operation,  
spare vibrator, magnetic dash-board mike holder.  
All this and Heaven too, for a measley ----- \$135.00

Contact Ernie Juliani, W3DSS  
Phil-Mont Channel 1 or  
MO-4-9579.

-----  
For sale: Johnson Valiant (Factory wired) \$215.00  
  
Johnson 6N2 xmitter with spare 5894 (Final) \$ 85.00  
Both of the above are in excellent condition  
will sell together for \$290.00

Contact Hal, W3TXO  
LU-3-1141

## NEW PUBLICATIONS

"Handbook of Preferred Circuits-Navy Aeronautical Electronic Equipment" -Vol. 1,---  
Electron Tube Circuits. This publication documents proven circuits. Contains  
vacuum tube circuits using miniature and subminiature tubes. Details each cir-  
cuit and provides reference and performance data. 363 pages, illustrated.  
Available from the Superintendent of Documents, Catalog # D217.14:C49/v 1. Cost  
is \$2.75.

\* \* \* \* \*

"Microwave Test and Measurement Techniques" is the title of a new book by Allan  
Lytel, published by Sams, Inc. The reader will find information on testing and  
measuring which ranges from very basic to the advanced and which includes the  
use of such instruments as slotted lines, directional couplers, VSWR indicators,  
bolometer bridges and others.  
The book is available from bookstores and electronic dealers. The catalog number  
is MIL-1 and the price \$6.95.

\* \* \* \* \*

## TID-BIT

Perhaps many of you who use WWV to set the clocks in your shacks were not aware  
that on April 1, 1964 all NBS stations, Naval Observatory and U.S.Navy stations  
retarded their clocks 100 milliseconds to compensate for changes in the speed of  
the earth's rotation.  
Better synchronize your clocks, fellows !

\* \* \* \* \*



## CHANNEL CHATTER

Al, K3GNM, and Bill, W3YHV, are back from a month of schooling in Washington.—The new Phil-Mont trailer now has wall to wall carpet in the operating area.—Ernie, W3D\$G, who is now homebrew mobile again, was heard singing the praises of the "Messenger" — Brad, W3QV, commented "I take it that you haven't sold your "Messenger" yet?"—Ed, W3LEM, has rebuilt his shack and it is a very nice job.—Can you imagine the Capitol dome with a full size 40 meter beam on it if K3UIG gets elected?—Bill, K3HIE, and family camping out for a week.—Bob, K3KUD, preparing for a trip to Brazil at the taxpayer's expense.—Hy, W3WNC, on his summer schedule — work three days, take off four.—Bob, K3DJE, sporting a new Oldsmobile.—Jim, W3JYA, and George, W3MHR, handling phone patch traffic into Jenkintown for a W9.—Murray, K3SPS, finally being heard in the North End with DX-100.—Sam, K3RTR, learning about vertical antennas from W3D\$G.—The South Bend Radio Club also comes in loud and clear when the skip is running—they use Channel 1 also.—From the number of stations on 20 meter AM recently, we may soon need a Channel 5.—W3APD checked in on the Ten-on-Ten Net not too long ago—why don't you do it more often Gordy?—That gurgling noise heard on Channel 1 on a recent rainy night was Rob, K3CEE, opening the door of his Metropolitan—the water has now subsided and the mike is once again visible.—it appears that one Phil-Mont member is among the missing-W3QZO, please check under the hood of your car.—Just received a card from Tom, W3VCE. For those who didn't know what Tommy is doing these days, we'll elucidate—he drove to Alaska with two lovely British subjects, female variety, and at this writing is in Anchorage. Tom has not had much time for hamming—any guesses as to why?—Our Prez, Ed, W3EQV, once again out in California, also at the taxpayer's expense.—George, W3MHR, feeling sore in muscles he never even knew he had—all because he is putting up a new Rohn tiltover tower.—K3OEJ, Art, working fixed/portable two from Cape May County—he had only hoped to work Atlantic City.—In Norfolk, Virginia on Field Day only the Northeastern states were being heard. Rolly, W3PWG, looked for a relay for a Field Day message but could only work Vermont and Massachusetts.—Paul, W3VVS, still out in Dearborn trying to get Ford straightened out.—Phil-Mont's candidate for Daddy of the year, Joe, K3HIJ, heard getting instructions on from K3UJI via 6 meter FM.—Dave, WA2RDC, was featured in a picture on the front of the Naval Shipyard "Beacon". As near as we could determine, his claim to fame was the fact that he was over six feet tall and was in a drydock when the picture was taken.—Chuck, W3NIP, now living it up in a new air-conditioned Oldsmobile—That about does it for this month.—Keep the Channel Chattering.

\* \* \* \* \*

We are still looking for a Channel Chatter Editor — the above will give you an idea of what can be done with just a little help. Anyone interested can contact K3KUD who will cheerfully accept the offer.

\* \* \* \* \*

European Tube Numbering System

Unlike the EIA system used here, the European system as used by Mullard, Phillips, Telefunken and other European manufacturers provides specific data on rating, class, base type and electrode structure. With the increasing popularity of European tubes, the user is faced with what at first might be taken for an almost incomprehensible jumble of letters and numbers. In reality, these European tubes have a much more descriptive numbering system than the EIA system and actually provide more information about the tube without resorting to the tube manual than one would imagine. The following table can be of considerable help in eliminating confusion which might arise when dealing with European tube types:

<u>FIRST LETTER</u>	
Rating of filament or heater	
A	4 v filament
C	200 ma heater
D	.5 to 1.5 v filament
E	6.3v heater; also used for 12.6v tapped heaters
G	5v heater
H	150 ma heater
J	26 v heater
K	2 v filament
P	300 ma heater
U	100 ma heater
Z	Cold cathode

<u>FIRST NUMBER</u>	
Type of base	
1.	Base indicated by second number
2.	Loktal
3.	Octal
4.	Rimlock (PSA)
5.	Special (E9G)
6.	Subminiature in Line
8.	9-pin miniature (Noval)
9.	7-pin miniature

<u>OTHER LETTERS</u>	
Electrode structure and class of tube	
A	Single Diode
B	Dual Diode
C	Triode
D	Power Triode
E	Tetrode
F	Pentode
H	Hexode (4 grid type)
K	Heptode (Pentagrid) or Octode
	Power Pentode
L	Electron Beam Indicator
N	Thyratron
P	Secondary Emission Tube
Q	Nonode (9 electrodes)
S	Dual Control Pentode
T	Miscellaneous
X	Full Wave Gas Rectifier
Y	Half Wave Rectifier
Z	Full Wave Vacuum Rectifier

NOTE: Two or more of the above letters may be combined. Thus CC would indicate a double triode.

OTHER NUMBERS  
Design Number

Any numbers after the first are included to differentiate between tubes that have different characteristics. NOTE: The second number indicates the base type if the first number is a 1.

Examples: EOC 34 - 6.3 v heater, dual triode with 9 pin miniature base  
 EL 34 - 6.3 v heater, power pentode with octal base  
 EZ 34 - 5 v heater, full wave rectifier with octal base.

The above courtesy of the Amateur Radio Club of Sarnia via LARC News.

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D .5 to 1.5 v filament  
E 6.3v heater; also used for 12.6v tapped heaters  
G 5v heater  
H 150 ma heater  
J 26 v heater  
K 2 v filament  
P 300 ma heater  
U 100 ma heater  
Z Cold cathode

FIRST NUMBER  
Type of base

1. Base indicated by second number
2. Loktal
3. Octal
4. Rimlock (BSA)
5. Special (B9C)
6. Subminiature in line
8. 9-pin miniature (Noval)
9. 7-pin miniature

OTHER LETTERS  
Electrode structure and class of tube

A Single Diode  
B Dual Diode  
C Triode  
D Power Triode  
E Tetrode  
F Pentode  
H Hexode (4 grid type)  
K Heptode (Pentagrid) or Octode  
M Power Pentode  
N Electron Beam Indicator  
P Thyatron  
Q Secondary Emission Tube  
R Nonode (9 electrodes)  
S Dual Control Pentode  
T Miscellaneous  
X Full Wave Gas Rectifier  
Y Half Wave Rectifier  
Z Full Wave Vacuum Rectifier

NOTE: Two or more of the above letters may be combined. Thus CC would indicate a double triode.

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Design Number

Any numbers after the first are included to differentiate between tubes that have different characteristics. NOTE: The second number indicates the base type if the first number is a 1.

Examples: EOC 85 - 6.3 v heater, dual triode with 9 pin miniature base  
EH 34 - 6.3 v heater, power pentode with octal base  
GZ 34 - 5 v heater, full wave rectifier with octal base.

The above courtesy of the Amateur Radio Club of Sarnia via LARC News.

## FIELD DAY RESULTS

Well "Philmonters" Field Day 1964 is now history, with the scores sent in to A.R.R.L. As usual it was a hard pull to get the logs in and at mailing time we were about 10,000 earned points short.

I would like to thank the many members who participated and did such a fine job on all of the various tasks that are required to make Field Day run.

Now is the time for suggestions for next year, send in your comments to Ye Editor and go on record now so we can have some idea what is wanted. The score didn't approach the one last year, but we had our members out on an emergency basis just to see how we are fixed should the need come.

DE W3YHV

37 stations participated \*\*\*\*\* W3HXY still CHAMP 3699.0 PTS.

WA2RDC/M	2214.0	W3CDY/M	2124.0	W3IWO/M	2448.0
W3RQZ/M	2412.0	K3WPT/M	1412.0	K3CBE/M	2713.5
W3SRU/M	2727.0	K3SPS/M	1566.0	W3BBB/M	2011.5
W3EQV/M	2875.5	K3GNM/M	2578.5	K3GEA/M	1660.5
W3WUX/M	2335.5	W3D\$G/M	2322.0	W3GIF/M	2065.5
K3KDP/M	1984.5	W3YHV/M	2821.5	W3WQU/M	580.5
W3QQH/M	1971.0	K3HIE/M	2133.0	W3OWK/M	513.0
W3TKQ/M	1152.0	W3MHR/M	2848.5	W3DJV/M	594.0
K3HIJ/M	2146.5	W3YJM/M	2457.0	K3EZJ/M	877.5
W3ZZI/M	2038.5	W3NIP/M	2200.5	W3GOW/M	1930.5
W3AJ0/M	2389.5	W3JYA/M	3348.0	K3TXE/M	1629.0
W3AWH/M	1944.0	W3LNQ/M	2376.0	W3ZPP/M	1890.0

Total Score 76,989.5 Points

\*\*\*\*\*

TIME VALUE

RETURN REQUESTED

THIRD CLASS MAIL

C. R. Spencer Jr. W3CCH  
124 Central Ave,  
North Hills, Pa. 19038 R

10 No. YORK RD. WILLOW GROVE PA.

A PHIL-MONT MOBILE RADIO  
CLUB PUBLICATION

The "Blurb"



PHIL-MONT MOBILE RADIO CLUB INC.